CLAIMS

1. A composition for hologram recording comprising a cationically polymerizable compound, a compound whose refractive index differs by 0.005 or more from that of a cured article of the cationically polymerizable compound, a thermal cationic polymerization initiator, and an optical cationic polymerization initiator.

2. A composition for hologram recording containing 5 to 95 mass% of a cationically polymerizable compound; 5 to 95 mass% of a compound whose refractive index differs by 0.005 or more from that of a cured article of the cationically polymerizable compound; 0.01 to 20 mass% of a thermal cationic polymerization initiator; and 0.05 to 20 mass% of an optical cationic polymerization initiator based on 100 mass% of the composition for hologram recording.

3. The composition for hologram recording according to claim 1 or claim 2, wherein the cationically polymerizable compound is an epoxy compound.

4. The composition for hologram recording according to claim 1 or claim 2, wherein the cationically polymerizable compound comprises a polyfunctional cationically polymerizable compound and a monofunctional cationically polymerizable compound.

5. The composition for hologram recording according to claim 4, wherein the polyfunctional cationically polymerizable compound is a polyfunctional epoxy compound having a siloxane bond.

6. The composition for hologram recording according to claim 4, wherein the monofunctional cationically polymerizable compound is a monofunctional epoxy compound having a siloxane bond.

7. The composition for hologram recording according to any of claims 1 through 6, wherein the thermal cationic polymerization initiator is composed of an aluminum compound and a compound having a silanol group.

8. The composition for hologram recording according to claim 7, wherein the admixed ratio of the aluminum compound is 0.001 to 10 mass%, and the admixed ratio of the compound having a silanol group is 0.01 to 20 mass% based on 100 mass% of the composition for hologram recording.

9. A curing method for a composition for hologram recording, comprising the steps of:

forming the composition for hologram recording according to any of claims 1 through 8 into a liquid film;

heat curing the liquid film and forming a semi-cured film; and

irradiating the semi-cured film with coherent light and forming an interference pattern.

10. A cured article obtained by the method according to claim 9.